SHINDAIWA OWNER'S/OPERATOR'S MANUAL

Model: 65004
MULTI-PURPOSE BRUSHCUTTER TOOL

WARNING! Minimize the risk of injury to yourself and others! Read this manual and familiarize yourself with the contents. Always wear eye and hearing protection when operating this unit.

X7502883202
03/14

shindaiwa®

Introduction

The Multipurpose Tool has been designed and built to deliver superior performance and reliability without compromise to quality, comfort, safety or durability.

As an owner/operator, you'll soon discover for yourself why Shindaiwa is simply in a class by itself!

While every attempt has been made to provide the latest information about your Shindaiwa product, there may be some differences between your attachment and what is described here.

Echo, Inc. reserves the right to make changes to products without prior notice, and without obligation to make alterations to units previously manufactured.

IMPORTANT!

The information contained in these instructions describes units available at the time of publication.

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IMPORTANT!

The operational procedures described in this manual are intended to help you get the most from this unit as well as to protect you and others from harm. These procedures are guidelines for safe operation under most conditions, and are not intended to replace any safety rules and/or laws that may be in force in your area. If you have questions regarding your Shindaiwa hand held power equipment, or if you do not understand something in this manual, contact your local Shindaiwa dealer for assistance. You may also contact Shindaiwa at the address printed on the back of this Manual.

Attention Statements

Throughout this manual are special "attention statements".

DANGER!

A statement preceded by the triangular attention symbol and the word "DANGER" contains information that should be acted upon to prevent serious injury or death.

WARNING!

A statement preceded by the triangular attention symbol and the word "WARNING" contains information that should be acted upon to prevent serious bodily injury.

IMPORTANT!

A statement preceded by the word "IMPORTANT" is one that possesses special significance.

CAUTION!

A statement preceded by the word "CAUTION" contains information that should be acted upon to prevent mechanical damage.

NOTE:

A statement preceded by the word "NOTE" contains information that is handy to know and may make your job easier.

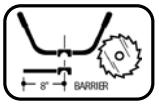
International Symbols

Read and follow this operators manual. Failure to do so could result in serious injury.

Wear eye and hearing protection at all times during the operation of this unit.

Keep bystanders at least 50 feet (15 m) away during operation.

Beware of thrown or ricocheted objects.



Do not operate this unit with a blade unless the unit is equipped with a Shindaiwa-approved handlebar or barrier.

Always wear a harness when operating this unit with a blade. A harness is also recommended when using trimmer line.

If unit is used as a brushcutter, beware of blade thrust. A jammed blade can cause the unit to jerk suddenly and may cause the operator to lose control of the unit.

Safety

This machine operates at very high speeds and has the potential to do serious damage if misused, abused or mishandled. To reduce the risk of injury, you must maintain control at all times, and observe all safety precautions during operation. Never permit a person without training or instruction to operate this machine!

NOTE:

For specific maintenance and safety information about your Multipurpose Tool Carrier, consult the owner's manual provided with it. If it has been lost or misplaced, contact a Shindaiwa dealer for a replacement.

Operating Precautions

WARNING!

- This Shindaiwa tool is specifically designed for use on the Shindaiwa Multipurpose Tool Carrier. Installation and/or use on any other model, brand or type of power tool is not approved by Shindaiwa. Attempts to use on non-approved models can damage the equipment and cause accidents, serious injury or death.
- **Always** make sure the Multipurpose Tool is properly installed and firmly tightened before operation.
- Never use a cracked or warped cutting attachment: replace it with a serviceable one and make sure it fits properly.
- Before starting the engine, make sure the cutting attachment is not contacting anything.
- **Always** stop the engine immediately and check for damage if you strike a foreign object or if the machine becomes tangled. Do not operate with broken or damaged equipment.
- Stop the machine immediately if it suddenly begins to vibrate or shake. Inspect for broken, missing or improperly installed parts or attachments.
- **Never** transport the machine or set it down with the engine running. An engine that's running could be accidentally accelerated causing the cutting attachment to rotate.
- **ALWAYS** keep a Solid Stance. Maintain footing and balance at all times. Do not stand on slippery, uneven or unstable surfaces. Do not work in odd positions or on ladders. Do not over reach.

The Properly Equipped Operator

Wear hearing protection devices and a broad-brimmed hat or helmet. A helmet is required when using a blade-equipped brushcutter to clear small trees.

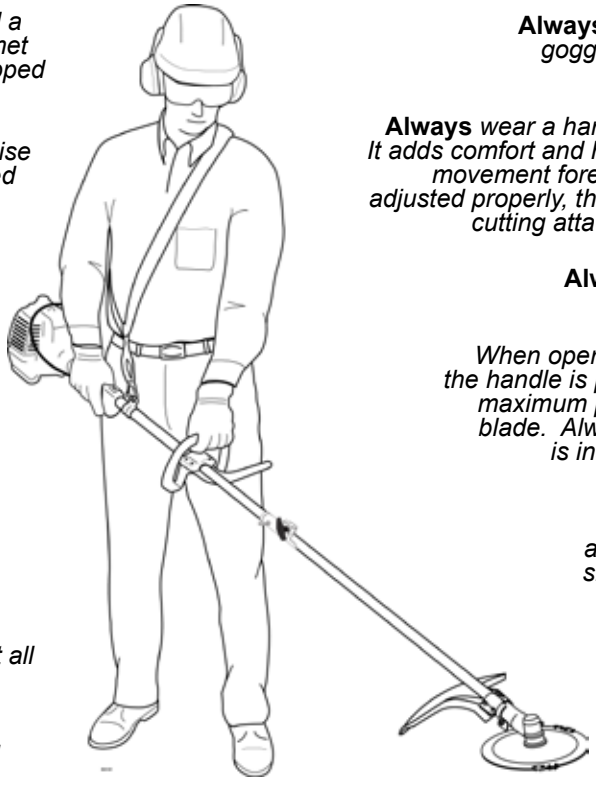
Prolonged exposure to excessive noise is fatiguing and could lead to impaired hearing.

Wear close-fitting clothing to protect legs and arms. Gloves offer added protection and are strongly recommended. Do not wear clothing or jewelry that could get caught in machinery or underbrush. Secure long hair so that it is above shoulder level. ***NEVER*** *wear shorts!*

Long-term exposure to vibration can damage your hands.

Keep a proper footing and **do not overreach***. Maintain your balance at all times during operation.*

Wear appropriate footwear (non-skid boots or shoes): do not wear open-toed shoes or sandals. **Never work barefooted!**



Always *wear eye protection such as goggles or safety glasses to shield against thrown objects.*

Always *wear a harness when operating the unit. It adds comfort and helps ensure safety by limiting movement fore and aft. When the harness is adjusted properly, the unit should balance with the cutting attachment parallel to the ground.*

Always *operate with both hands firmly gripping the unit.*

When operating with a blade, make sure the handle is positioned to provide you with maximum protection from contacting the blade. Always make sure the handlebar is installed in accordance with the manufacturers instructions.

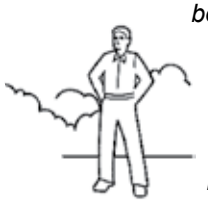
Always *make sure the appropriate cutting attachment shield is correctly installed and in good condition. Do not operate the unit if the cutting attachment shield is missing, loose, or broken.*

Keep away from the rotating trimmer line or blade at all times, and never lift a moving attachment above waist-high.

Be Aware of the Working Environment

Avoid long-term operation in very hot or very cold weather.

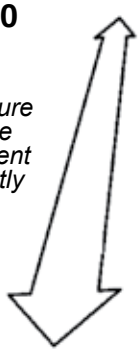
Make sure bystanders or observers outside the 15 meter (50 feet) "danger zone" wear eye protection.



Reduce the risk of bystanders being struck by flying debris. Make sure no one is within 15 meters (50 feet)— that's about 16 paces of an operating attachment. Stop immediately if a child, pet, or person comes within a 15 meter (50 feet)radius. Outside this radius, there is still a risk of injury from thrown objects.

Do not operate the unit if the cutting attachment shield is missing, loose, or broken.

15 METERS (50 FEET)



Always *make sure the appropriate cutting attachment shield is correctly installed.*

Be extremely careful of slippery terrain, especially during rainy weather.

Beware of a coasting blade when brushcutting or edging. A coasting blade can injure while it continues to spin after the throttle trigger is released or after the engine is stopped.

Be constantly alert for objects and debris that could be thrown either from the rotating cutting attachment or bounced from a hard surface.

ALWAYS *clear your work area of trash or hidden debris that could be thrown back at you or toward a bystander. When operating in rocky terrain or near electric wires or fences, use extreme caution to avoid contacting such items with the cutting attachment.*

If contact is made with a hard object, stop the engine and inspect the cutting attachment for damage.

Safety Labels

IMPORTANT!

Safety and Information Labels: Make sure all safety and information labels are undamaged, readable and up to date. Immediately replace damaged or missing labels.

New labels are available through your local authorized Shindaiwa dealer.

Product Description

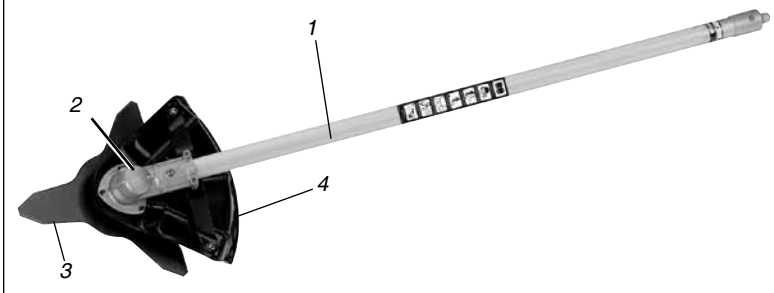
Using the illustration as a guide, familiarize yourself with your machine and its various components. Understanding your machine helps ensure top performance, long service life and safer operation.

1 - Outer tube
2 - Gearcase
3 - Blade
4 - Cutting attachment shield

WARNING!

Do not make unauthorized modifications or alterations to this unit or its components.

Multipurpose Brushcutter Tool



Specifications

Length/Width/Height	904 x 254 x 147 mm (35.6 x 10.0 x 5.8 in)
Weight	1.55 kg (3.43 lb)
Gearcase Lubrication	Lithium based grease
Gear Reduction	1.57:1
Gearcase Arbor Size	10 mm Left-hand thread

*Specifications are subject to change without notice.

Prior to Assembly

Before assembling, make sure you have all the components required for a complete unit:

- Brushcutter Attachment
- Barrier Bar (1)
- 5x35 Screws (4)
- 5mm Nuts (4)
- Hanger Bolt (1)
- Split Pin 20x22 (10)
- Hanger Nut
- Hanger
- Shoulder Harness
- Manual del Operador
- Assembly Tool (s)
- Carefully inspect all components for damage.

IMPORTANT!

The terms “left”, “left-hand”, and “LH”; “right”, “right-hand”, and “RH”; “front” and “rear” refer to directions as viewed by the operator during normal operation.

Assembly

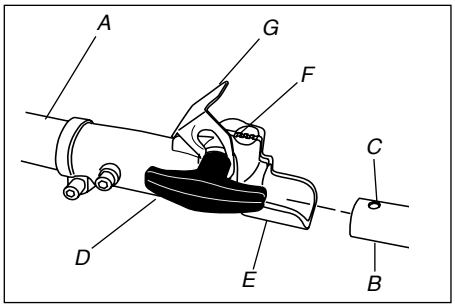
Installing a Tool Attachment

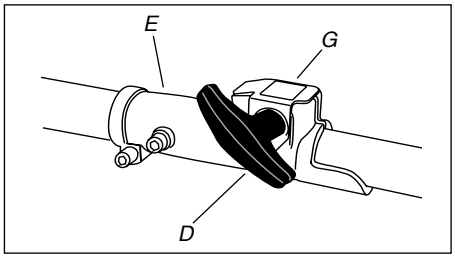
1. Place the Multipurpose Tool Carrier (A) and the Tool Assembly (B) on a clean, flat surface so that both assemblies fit end to end. The powerhead assembly should be facing up, and the tool assembly should be positioned with the locking hole in the tube (C) end facing up.

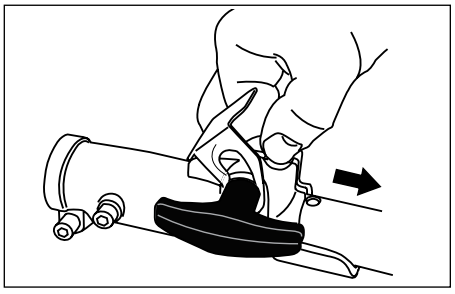
CAUTION!

Keep the open ends of the tubes clean and free of Debris!

2. Slip off the protective cover from the end of the tool, and loosen the coupler screw knob (D).
3. Insert the tool assembly into the coupler (E), with the tool decal facing up, until the line of the decal is flush with the end of the coupler. Twist the tool back and forth until you are sure it snaps in place by the coupler latch (F).
4. When the two tube halves are locked together, press down on the spring-loaded latch protector (G) and tighten the coupler screw knob.







Removing a Tool Attachment

1. Place the Multipurpose Tool Carrier and the Tool Assembly on a clean, flat surface, loosen the coupler screw knob (D). The spring-loaded coupler protector (G) should pop up.
2. Press down on the latch (F) with your finger or thumb. This releases the coupler latch.
3. Pull the tool assembly (B) out of the coupler (E).

Barrier Bar and Hanger Assembly

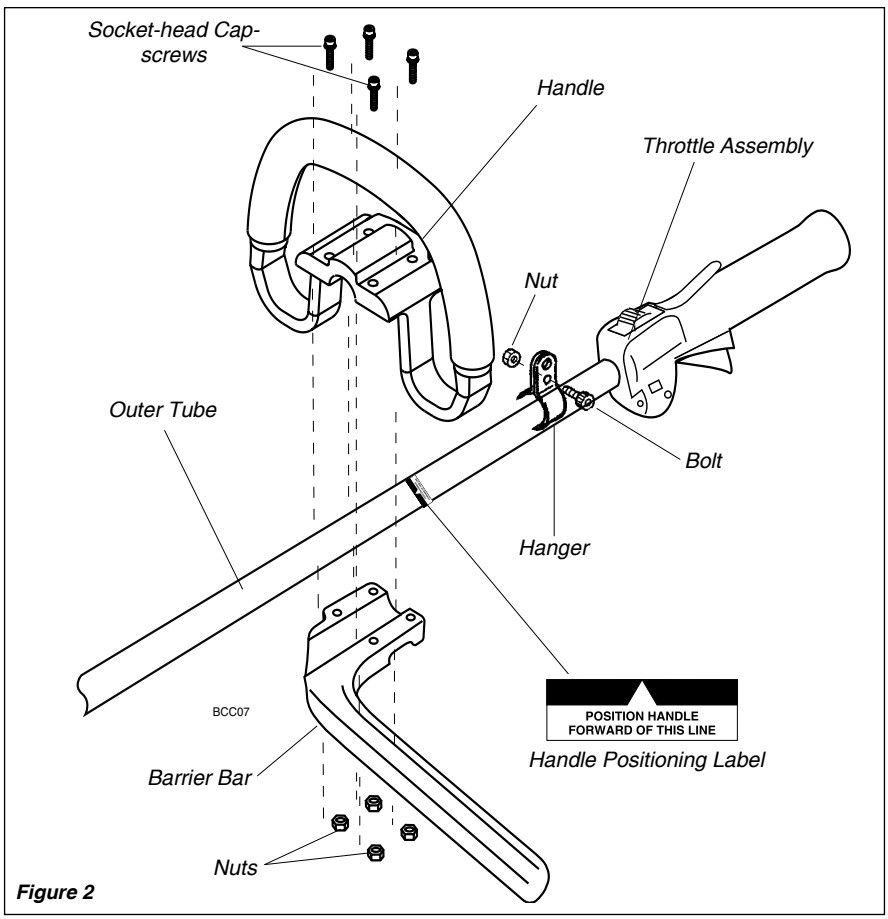
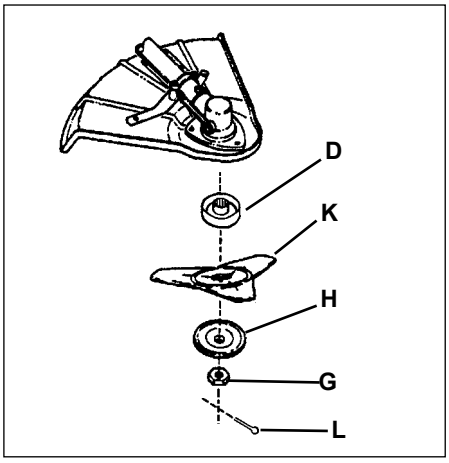


Figure 2

1. Remove the four socket-head cap screws on the handle and remove the handle and mounting bracket.
2. Unscrew coupler locating screw, and loosen coupler clamp screw. Slide coupler off outer tube.
3. Position the hanger on the outer tube between the handle and throttle assembly and secure the hanger with the nut and bolt as shown in Figure 2.
4. Slide coupler on outer tube, and align locating holes. Make sure flat side of “D” washer is facing outer tube before sliding coupling on outer tube.
5. Thread locating screw into locating hole, and tighten locating and clamp screws securely.
6. Position the handle on the outer tube forward of Handle Positioning Label as shown in Figure 2.
7. Install the barrier bar with the socket-head cap screws and nuts. Tighten the screws finger-tight ONLY at this time.
8. Locate the handle in the best position for operator comfort (usually about 10 inches ahead of the throttle housing).
9. Secure the handle by alternately tightening the four socket-head screws in a diagonal or “criss-cross” fashion.

Install Blade

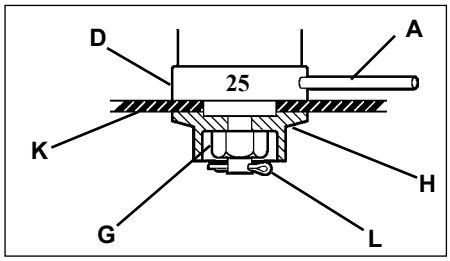
Parts Required: Adapter plate w/25 mm diameter pilot, lower blade mounting plate, 10 mm hex nut w/L.H. thread, 2 mm x 25 mm cotter pin, blade w/25 mm arbor diameter.



1. Install adapter plate (D) on splined PTO shaft, pilot side down. Blade installation requires Adapter Plate (D) with 25 mm pilot.
2. Install Blade (K) on adapter plate pilot. Secure blade with Lower Plate (H), and 10 mm L.H. nut (G). Turn nut counter-clockwise on PTO shaft to tighten.
3. Align hole in adapter plate with notch in gear housing, and insert Locking Tool (A) to prevent splined shaft from turning. Arrow on gear housing points to notch. Tighten 10 mm nut securely.
4. Insert Cotter Pin (L) in hole in PTO shaft, and bend pin legs around shaft counterclockwise to retain 10 mm nut.

IMPORTANT!

Never reuse a cotter pin - install a new cotter pin each time a blade is installed or replaced.



5. Remove locking tool.

The unit should now be completely assembled and ready for use with a blade.

IMPORTANT!

Discard blades that are bent, warped, cracked, broken or damaged in any way.Use a sharp blade. A dull blade is more likely to snag and thrust.

IMPORTANT!

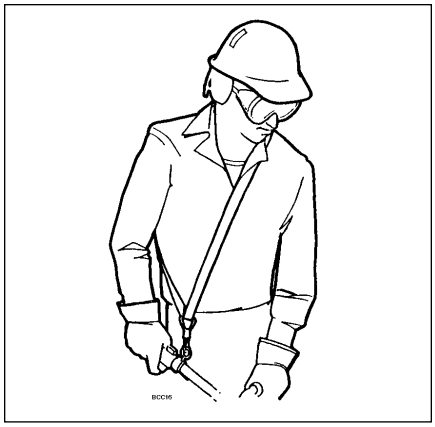
Units with adjustable carburetors must be readjusted for blade use, otherwise serious engine damage can occur.

WARNING!

A standard grass trimmer unit with loop handle should NEVER be operated with blade-type attachments. For blade use, the trimmer must be fitted with a bicycle-type handlebar or barrier bar that is located in front of the operator to reduce the risk of the operator coming in contact with the cutting attachment. (Per ANSI B175.3). When using a blade, the unit must be equipped with a harness or strap.

Shoulder Strap

Adjust the shoulder strap so the shoulder pad rests comfortably on the off-side shoulder and the cutting path of the cutting attachment is parallel to the ground. Tighten hanger screw.



WARNING!

Always wear a shoulder strap when operating this unit with a blade. A shoulder strap is also recommended when using trimmer line.

NOTE:

Using a shoulder strap with a brush-cutter allows you to maintain proper control of the unit and reduces fatigue during extended operation.

Using A Brushcutter Blade

WARNING!

- Before working with a blade-equipped unit, always inspect and clean the area of objects that could interfere with or damage the blade.
- Never use a blade near sidewalks, fence posts, buildings or other objects that could cause injury or damage.
- Never use a blade for purposes other than those for which it was designed.
- Whenever you strike a hard object with a blade, always stop the brushcutter and carefully inspect the blade for damage. NEVER OPERATE THE UNIT WITH A DAMAGED BLADE!
- A blade-equipped unit **must** be equipped with a bicycle-type handlebar or barrier as well as a harness or strap.
- Always make sure the cutting attachment shield is properly installed before operating the unit.

Blade Thrust
'Blade thrust' is a sudden sideways or backward motion of the brushcutter. Such motion may occur when the blade jams or catches on an object such as a sapling tree or tree stump. BE CONSTANTLY ALERT FOR BLADE THRUST AND GUARD AGAINST ITS EFFECTS!

Barrier Bar
A brushcutter's barrier bar helps prevent the operator from moving forward, or the unit moving rearward, thus preventing inadvertent bodily contact with the blade. ALWAYS KEEP THE BARRIER BAR SECURELY IN PLACE ON THE UNIT!

Shoulder Strap or Harness
A shoulder strap or harness provides additional protection against blade thrust. In addition, a shoulder strap or harness gives significant support and comfort to help ensure safe and efficient operation.
When operating a unit equipped with a blade, make sure both the handle/barrier bar and shoulder strap or harness are adjusted to the size of the operator using the unit.

The blade rotates counter-clockwise. For best performance and to minimize being struck by debris, move the blade from right to left while advancing on your work.

Maintenance

WARNING!

Before performing any maintenance, repair, or cleaning work on the unit, make sure the engine and cutting attachment are completely stopped. Disconnect the spark plug wire before performing service or maintenance work.

WARNING!

Non-standard parts may not operate properly with your unit and may cause damage and lead to personal injury.

IMPORTANT!

For detailed maintenance information about your Multipurpose Tool Carrier, consult the owner's manual that was provided with it. If it has been lost or misplaced, contact Shindaiwa for a replacement.

NOTE:

Using non-standard replacement parts could invalidate your Shindaiwa warranty.

Maintenance Every 50 Hours

Skill Levels

Level 1 = Easy to do. Common tools may be required.
Level 2 = Moderate difficulty. Some specialized tools may be required.

Maintenance Intervals

Component	Maintenance Procedure	Skill Level	Interval
Gear Housing	Grease	1	Every 50 hours of use [1]
Screws/Nuts/Bolts	Inspect/Tighten/Replace	1	Before Each Use
IMPORTANT - Time intervals shown are maximum. Actual use and your experience will determine the frequency of required maintenance.			
[1] Apply grease.			

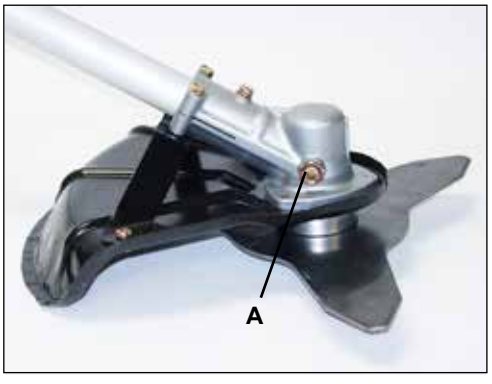
Lubrication

Level 1.

Parts Required: Lubricant 8 oz. or Lithium Base Grease.

Gear Housing

1. Clean all loose debris from gear box.
2. Remove plug (A) and check level of grease. Grease should fill gear case to bottom of grease plug hole.
3. Add grease if necessary using manual grease gun or squeeze-type tube. Do not use high pressure grease gun. DO NOT over-fill.
4. Install plug (A).



Troubleshooting Guide

Symptom	Possible Cause	Remedy
Excessive vibration.	Warped or damaged attachment.	Inspect and replace attachment as required.
	Loose gearcase.	Tighten gearcase securely.
	Bent main shaft/worn or damaged bushings.	Inspect and replace as necessary.
Cutting attachment will not move.	Shaft not installed in powerhead or gearcase.	Inspect and reinstall as required.
	Broken shaft.	Consult with an authorized Shindaiwa servicing dealer.
	Damaged gearcase.	
Cutting attachment moves at engine idle.	Engine idle too high.	Adjust idle. Check Specifications page for correct idle speed.
	Broken clutch spring or worn clutch spring boss.	Replace spring/shoes as required, check idle speed.

SHINDAIWA LIMITED WARRANTY STATEMENT FOR
PRODUCT SOLD IN USA AND CANADA BEGINNING 01/01/2013

ECHO, INC'S RESPONSIBILITY

ECHO Incorporated's (ECHO, INC.) Limited Warranty, provides to the original purchaser that this Shindaiwa product is free from defects in material and workmanship. Under normal use and maintenance from date of purchase, ECHO, INC. agrees to repair or replace at it's discretion, any defective product free of charge at any authorized Shindaiwa servicing dealer within listed below application time periods, limitations and exclusions. **THIS LIMITED WARRANTY IS ONLY APPLICABLE TO SHINDAIWA PRODUCTS SOLD BY AUTHORIZED SHINDAIWA DEALERS. IT IS EXTENDED TO THE ORIGINAL PURCHASER ONLY, AND IS NOT TRANSFERABLE TO SUBSEQUENT OWNERS EXCEPT FOR EMISSION RELATED PARTS.** Repair parts and accessories replaced under this warranty are warranted only for the balance of the original unit or accessory warranty period. Any damage caused by improper installation or improper maintenance is not covered by this warranty. All parts or products replaced under warranty become the property of ECHO, INC. This warranty is separate from the Emission control warranty statement supplied with your new product. Please consult the Emission Control Warranty Statement for details regarding emission related parts. For a list of Authorized Shindaiwa Dealers refer to WWW.SHINDAIWA.COM or call **1-877-986-7783**.

OWNER'S RESPONSIBILITY

To ensure trouble free warranty coverage it is important that you register your Shindaiwa equipment on-line at WWW.SHINDAIWA.COM or by filling out the warranty registration card supplied with your unit. Registering your product confirms your warranty coverage and provides a direct link if we find it necessary to contact you.

The owner shall demonstrate reasonable care and use, and follow preventative maintenance, storage, fuel and oil usage as prescribed in the operator's manual. Should a product difficulty occur, you must, at your expense, deliver or ship your Shindaiwa unit to an authorized Shindaiwa servicing dealer for warranty repairs (within the applicable warranty period), and arrange for pick-up or return of your unit after the repairs have been made. For your nearest authorized Shindaiwa servicing dealer, call Shindaiwa's Dealer Referral Center, at 1-877-986-7783 or you can locate a Shindaiwa servicing dealer at WWW.SHINDAIWA.COM. Should you require assistance or have questions concerning Shindaiwa's Warranty Statement, you can contact our Consumer Product Support Department at 1-800-673-1558 or contact us through the web at WWW.SHINDAIWA.COM.

PRODUCT WARRANTY PERIOD

RESIDENTIAL APPLICATION

- **5 YEAR WARRANTY** - Units for residential, or non-income producing use will be covered by this limited warranty for five (5) years from date of purchase.

  EXCEPTIONS:
  - For engine powered products, the electronic ignition module, flexible drive cable, and solid drive shaft are warranted for the life* of the product on parts only.
  - Cutting attachments such as, but not limited to, bars, chains, sprockets, tines, blades, PowerBroom™, belts, and nylon trimmer heads for residential or non-income producing use will be covered for failures due to defects in material or workmanship for a period of 60 days from original product purchase date. Any misuse from contact with concrete, rocks, or other structures is not covered by this warranty.
  - Multipurpose Tool Attachments carry the same warranty duration as the units they are designed to fit.

COMMERCIAL APPLICATION

- **90 DAY WARRANTY** - All Chain Saws and Cut-Off Saws for commercial, institutional, agricultural, industrial, or income producing use will be covered by this limited warranty for 90 Days from the date of purchase.
- **2 YEAR WARRANTY** - All other units for commercial, institutional, agricultural, industrial, or income producing use will be covered by this limited warranty for two (2) years from the date of purchase.

  EXCEPTIONS:
  - For engine powered products, the electronic ignition module, flexible drive cables, and solid drive shafts are warranted for the life* of the product on parts only.
  - Cutting attachments such as, but not limited to, bars, chains, sprockets, tines, blades, PowerBroom™, belts, and nylon trimmer heads for commercial, institutional, agricultural, industrial, rental, or income producing will be covered for failures due to defects in material or workmanship for a period of 30 days from original product purchase date. Any misuse from contact with concrete, rocks, or other structures is not covered by this warranty.
  - Multipurpose Tool Attachments carry the same warranty duration as the units they are designed to fit.

RENTAL APPLICATION - 90 DAYS WARRANTY

- Units for rental use will be covered against defects in material and workmanship for a period of 90 days from the date of purchase.

* ECHO INC's liability under the "Lifetime" coverage is limited to furnishing parts specified under the PRODUCT Warranty PERIOD section of this warranty statement for "Life" free of charge for a period of ten (10) years after the date of the complete unit's final production.

PURCHASED REPAIR PARTS AND ACCESSORIES

- 90-day all applications

ATTENTION ENGINE POWERED PRODUCT OWNERS

This Shindaiwa engine powered product is a quality-engineered unit which has been manufactured to exact tolerances to provide superior performance. To help ensure the performance of the unit, it is required to use engine oil which meets the ISO-L-EGD Standard per ISO/CD 13738 and JASO M345/FD Standards. Shindaiwa Red Armor™ and Shindaiwa One™ are a premium engine oil specifically formulated to meet ISO-L-EGD (ISO/CD 13738) and JASO M345/FD Standards. The use of engine oils designed for other applications, such as for outboard motors or lawnmowers can result in severe engine damage, and will void your engine limited warranty.

THIS WARRANTY DOES NOT COVER DAMAGE CAUSED BY:

- Lack of lubrication or engine failure, due to the use of engine oils that do not meet the ISO-L-EGD (ISO/CD 13738) and JASO M345/FD Standards. Shindaiwa Red Armor™ and Shindaiwa One™ Engine Oil meets the ISO-L-EGD and JASO M345/FD Standard. Emission related parts are covered for 5 years residential or 2 years commercial use regardless of two-stroke oil used, per the statement listed in the EPA or California Emission Control Warranty Explanation.
- Damage caused by use of gasohol, containing methanol (wood alcohol), or gasoline containing less than 89 octane. Only use gasoline which contains 89 octane or higher. Gasohol which contains a maximum 10% ethanol (grain alcohol) or 15% MTBE (methyl/tertiary/butyl/ether) is also approved. The prescribed mixing ratio of gasoline to oil is listed on the Shindaiwa oil label and covered in your operator's manual.
- Engine damage caused by use of ether or any starting fluids.
- Damage caused by tampering with engine speed governor or emission components, or running engines above specified and recommended engine speeds as listed in your operator's manual.
- Operation of the unit with improperly maintained/removed cutting shield or removed/damaged air filter.
- Damage caused by dirt, pressure or steam cleaning the unit, salt water, corrosion, rust, varnish, abrasives, and moisture.
- Defects, malfunctions or failures resulting from abuse, misuse, neglect, modifications, alterations, normal wear, improper servicing, or use of unauthorized attachments.
- Incorrect storage procedures, stale fuel, including failure to provide or perform required maintenance services as prescribed in the operator's manual. Preventative maintenance as outlined in the operator's manual is the customer's responsibility.
- Failures due to improper set-up, pre-delivery service or repair service by anyone other than authorized Shindaiwa servicing dealer during the warranty period.
- Certain parts and other items are not warranted, including but not limited to: lubricants, starter cords, and engine tune-ups.
- Use of spark plugs other than those meeting performance and durability requirements of the OEM spark plug listed in the Operator's Manuals.
- Overheating or carbon scoring failures due to restricted, clogged exhaust port or combustion chamber, including damage to spark arrester screen.
- Adjustments after the first (30) thirty days and beyond, such as carburetor adjustment and throttle cable adjustment.
- Damage to gears or gear cases caused by contaminated grease or oil, use of incorrect type or viscosity of lubricants, and/or failure to comply with recommended grease or oil change intervals.
- Damage caused by pump or sprayer running dry, pumping or spraying caustic or flammable materials, or lack of or broken strainers.
- Additional damage to parts or components due to continued use after operational problem or failure occurs. Should operational problem or failure occur, the product should not be used, but delivered as is to an authorized Shindaiwa servicing dealer.

It is a dealer's and/or customer's responsibility to complete and return the warranty registration card supplied with your Shindaiwa product or by visiting WWW.SHINDAIWA.COM. Your receipt of purchase including date, model and serial number must be maintained and presented to an authorized Shindaiwa servicing dealer for warranty service. Proof of purchase rests solely with the customer. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so you may also have other specific legal rights which vary from state to state. This limited warranty is given by ECHO Incorporated, 400 Oakwood Rd., Lake Zurich, IL 60047.

DISCLAIMER OF IMPLIED WARRANTIES

This limited warranty is in lieu of all other expressed or implied warranties, including any warranty of FITNESS FOR A PARTICULAR PURPOSE OR USE and any implied warranty of **MERCHANTABILITY** otherwise applicable to this product. ECHO, INC. and its affiliated companies shall not be liable for any special incidental or consequential damage, including lost profits. There are no warranties extended other than as provided herein. This limited warranty may be modified only by ECHO, INC.

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Servicing Information

Parts/Serial Number

Genuine Shindaiwa Parts and Assemblies for your Shindaiwa products are available only from an Authorized Shindaiwa Dealer. When you do need to buy parts always have the Model Number and Serial Number of the unit with you. You can find these numbers on the engine. For future reference, write them in the space provided below.

Model No. _____ SN. _____

Service

Service of this product during the warranty period must be performed by an Authorized Shindaiwa Service Dealer. For the name and address of the Authorized Shindaiwa Service Dealer nearest you, ask your retailer or call: 1-877-986-7783. Dealer information is also available on WWW.SHINDAIWA.COM. When presenting your unit for Warranty service/repairs, proof of purchase is required.

Consumer Product Support

If you require assistance or have questions concerning the application, operation or maintenance of this product you may call the Shindaiwa Consumer Product Support Department at 1-877-986-7783 from 8:30 am to 4:30 pm (Central Standard Time) Monday through Friday. Before calling, please know the model and serial number of your unit.

Warranty Registration

To ensure trouble free warranty coverage it is important that you register your Shindaiwa equipment by filling out the warranty registration card supplied with your unit. Registering your product confirms your warranty coverage and provides a direct link if we find it necessary to contact you.

Additional or Replacement Manuals

Replacement Operator and Parts Catalogs are available from your Shindaiwa dealer or at WWW.SHINDAIWA.COM or by contacting the Consumer Product Support Department (1-877-986-7783). Always check WWW.SHINDAIWA.COM for updated information.

shindaiwa®

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